

## MATERIALS ACCEPTED BY RRMF

<b>Materials/Items</b>	<b>Requirements for Acceptance at RRMF (or originating organization's responsibility)</b>	<b>Storage Requirements at RRMF (RRMF responsibility)</b>	<b>Relevant NASA Environmental Guidance</b>
Oil-filled equipment	<ul style="list-style-type: none"> <li>*Drained of free-flowing liquids</li> <li>*Exterior visually free of oil or other contamination</li> <li>*Items which previously contained dielectric fluid must be accompanied by a copy of analytical results taken within the past 6 mos. Documenting that the fluid did not contain PCBs =&lt; 50 ppm</li> <li>*KSC Form 7-49 or equivalent</li> </ul>	<ul style="list-style-type: none"> <li>*Store drained items on impervious surface with rain protection to prevent leakage/runoff to soil</li> </ul>	TA-C3 is developing Policy guidance for this; in the interim Denise DeLaPascua's e-mail guidance of 03/02/04 provides direction
Batteries: Lead-acid and Silver- Zinc	<ul style="list-style-type: none"> <li>*Undrained, not leaking</li> <li>*Adequately secured to pallets or containerized, and protected against short circuits</li> <li>*Accompanied by MSDS</li> <li>*Identified as either as Lead-acid or Silver-Zinc</li> <li>*KSC Form 7-49 or equivalent</li> </ul>	<ul style="list-style-type: none"> <li>*Batteries on pallets shall not be stacked in any way that puts weight on battery terminals</li> <li>*Store batteries in segregated location inside shelter on impervious surface with rain protection</li> </ul>	
Drums	<ul style="list-style-type: none"> <li>*Emptied of all free-flowing liquid</li> <li>*Crushed and palletized by JBOSC</li> <li>*KSC Form 7-49 or equivalent</li> </ul>	<ul style="list-style-type: none"> <li>*Store palletized, crushed drums on impervious surface, protect from rainfall until delivered to recycler</li> </ul>	*Process Waste Questionnaire/ Technical Response Package (PWQ/TRP)
Equipment Containing	*Properly drained (recover ODS)	*Once drained, there are no	

Ozone-Depleting Substances (ODS, e.g. Freon) <b>unusable</b>	*Labeled “Empty” *KSC Form 7-49 or equivalent	special storage requirements	
Equipment Containing Ozone-Depleting Substances <b>for sale as usable equipment</b>	*Do not drain *Certification that equipment is not leaking * KSC Form 7-49 or equivalent	*Protect from rainfall	
Scrap Metal/Structural Steel	*Visibly clean of all residual oils/contaminants *Clearly identified in writing as intended for sale as scrap only *KSC Form 7-49 or equivalent	*Segregate from items which have the potential to be sold for reuse	
Flex Hoses	*Decontaminated and certified as such *Mechanically rendered unusable (by cutting, crushing, or other means) for anything but scrap *KSC Form 7-49 or equivalent	*Store with other scrap metal	Mike Cardinale, TA-C2 shall be POC for follow-on actions to develop detailed procedures
Compressed Gas Cylinders (non-acetylene)	*Return empty cylinders to vendors, if possible *If impossible to return to vendors, ensure cylinders are empty & mechanically rendered useless for anything but scrap *KSC Form 7-49 or equivalent	*Store with other scrap metal	
Acetylene Gas Cylinders	*Return empty cylinders to vendors, if possible *Acetylene cylinders may contain asbestos so coordinate with CHS Environmental Health before cutting or	* Only store at RRMF under special circumstances and only according to guidance from CHS Environmental Health	*OMI Q3108 Rev. D 3/13/03 Compressed Gas Cylinders Handling and Use at KSC and CCAFS *LSV-P-5121 Management

	disturbing structural integrity of acetylene cylinders		of Government/Vendor Owned Cylinders.
Magnetic Tapes	*KSC Form 7-49 or equivalent	*Protect from rainfall	
E-Waste (a generic term for a variety of waste containing electronic components including products used for data processing, telecommunications or entertainment such as computers, monitors, TV sets, mobile/cell phones, PDAs, and electronic equipment used in industrial settings) <b>This does not include PCs &amp; other equipment held for sale as usable</b>	*Any hazardous materials must be removed – e.g. mercury, PCBs, etc. – and certified as such *KSC Form 7-49 or equivalent	*Protect from rainfall	
Precious Metals	*KSC Form 7-49 or equivalent	*Protect from rainfall	USA Property Custodian Guide, USA000430 PWQ/TRP

Heavy/Movable Equipment (e.g. forklifts, lawn mowers, etc.) <b>unusable</b>	<ul style="list-style-type: none"> <li>*Drained of all fluids (fuel, hydraulic oil, etc.)</li> <li>*Exterior visibly clean of all oil/contaminants</li> <li>*Identified as intended for sale as scrap</li> <li>*KSC Form 7-49 or equivalent</li> </ul>	*Store on impervious surface with rain protection	
Heavy/Movable Equipment <b>for sale as usable equipment</b>	<ul style="list-style-type: none"> <li>*Inspect all fluid lines &amp; reservoirs and certify as intact and not leaking</li> <li>*Exterior visibly clean of all oil/contaminants</li> <li>*KSC Form 7-49 or equivalent</li> </ul>	<ul style="list-style-type: none"> <li>*Store on impervious surface with rainfall protection</li> <li>*Segregate from scrap metal</li> <li>*Conduct routine inspections for leaks, promptly clean up any contamination from leaks, and store equipment in secondary containment until leak is fixed</li> </ul>	

### **MATERIALS NOT ACCEPTED BY RRMF**

<b>RRMF Shall NOT Accept These Materials for Salvage/Reclamation</b>	<b>Relevant Guidance Documents for Disposal</b>
Visibly Leaking Equipment/Containers	Process Waste Questionnaire/Technical Response Package (PWQ/TRP)
Blast Media	Process Waste Questionnaire/Technical Response Package (PWQ/TRP)
Uncrushed Drums	JBOSC Interim Guidelines for Disposition of Empty Drums
Treated Lumber	Process Waste Questionnaire/Technical Response Package (PWQ/TRP)
Explosives/Ordnance	Process Waste Questionnaire/Technical Response Package (PWQ/TRP)

Radioactive Materials	Process Waste Questionnaire/Technical Response Package (PWQ/TRP)
Intact Compressed Gas Cylinders	
Intact Flex Hoses	
Hazardous Materials	Process Waste Questionnaire/Technical Response Package (PWQ/TRP)
Biomedical Wastes	Process Waste Questionnaire/Technical Response Package (PWQ/TRP)
Non-Lead & Non-Silver Zinc Batteries such as: <ul style="list-style-type: none"> <li>• Lithium Batteries (managed as Universal Waste)</li> <li>• Mercury Batteries (managed as Universal Waste)</li> <li>• Nickel-Cadmium Wet Cell Batteries Containing Potassium Hydroxide Electrolyte Solution (managed as Universal Waste)</li> <li>• Nickel-Cadmium Dry Cell Batteries (managed as Universal Waste)</li> </ul>	Process Waste Questionnaire/Technical Response Package (PWQ/TRP)